

RESEARCH WORKS IN LIBRARY AND INFORMATION SCIENCE VOLUME 1

Yushiana Mansor
Ahmad Bakeri Abu Bakar



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Editors

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30. SEARCHING AND RETRIEVING DIGITAL IMAGES

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ABSTRACT

Finding a specific image on the Internet can be a very difficult and time-consuming process. Approaches to image retrieval are discussed in this chapter. The concept of content-based image retrieval (CBIR) is introduced. Descriptive information (metadata) about images can help facilitate retrieval at the semantic level. Thus, issues on metadata for images are also highlighted.

30.1 INTRODUCTION

A digital image is an image that a computer can store, read and display. It is composed of a set of pixels arranged according to a predefined ratio of columns and rows. Each pixel presents a portion of the image in a particular colour or shade of grey (Getty Research Institute, 2000). This technology has developed the processing technique of storing and retrieving digital image databases whereby it is important for user to store and retrieve the image effectively. In order to access these resources, users need reliable tools to access images. The tool that enables user to find and locate images is an image search engine (ISE).

Su (1997) mentioned that those search engines are important tools for resources discovery on the Internet and have been growing in popularity